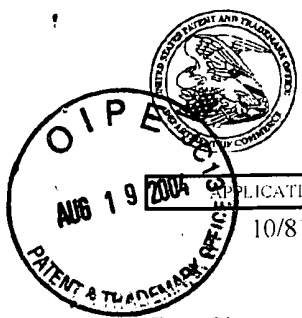


IFW ✓



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

| APPLICATION NUMBER | FILING OR 371 (c) DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|------------------------|-----------------------|------------------------|
| 10/814,711 | 03/31/2004 | Samuel Henry Chang | SPAZ 2 00004 |

Fay, Sharpe, Fagan, Minnich & McKee LLP
 Seventh Floor
 1100 Superior Avenue
 Cleveland, OH 44114

CONFIRMATION NO. 8759

FORMALITIES LETTER



OC000000012930495

Date Mailed: 06/14/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
 - The drawings submitted to the Office are not electronically reproducible. Drawing sheets must be submitted on paper, which is flexible, strong, white, smooth, non-shiny, and durable (see 37 CFR 1.84(e)). See Figure(s) 3.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$65** for a Small Entity

- **\$65** Late oath or declaration Surcharge.

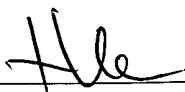
08/20/2004 BSAYASI1 00000029 10814711

01 FC:2051

65.00 0P

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

A handwritten signature in black ink, appearing to be 'Hle', is written over a horizontal line.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF : Chang, et al.
FOR : **A RECURSIVE LEAST SQUARES
APPROACH TO CALCULATE MOTION
PARAMETERS FOR A MOVING CAMERA**
SERIAL NO. : 10/814,711
FILED : March 31, 2004
EXAMINER : Unknown
ART UNIT : 2624
CONFIRMATION NO. : 8759

**RESPONSE TO NOTICE TO FILE MISSING PARTS
OF APPLICATION UNDER 37 CFR 1.63**

MAIL STOP MISSING PARTS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Responsive to the Notice to File Missing Parts issued June 14, 2004 on the above-captioned patent application, a "Declaration For Patent Application" is enclosed herewith as well as the return copy of the Patent Office's Notice to File Missing Parts.

The enclosed Declaration has been duly executed by the inventor(s).

Enclosed is a check in the amount of \$65.00 in payment of the surcharge required under 37 CFR 1.16(e) for filing the Declaration later than the filing date of the application.

The Commissioner is hereby authorized to charge any additional fees which may be necessary or credit any overpayment to Deposit Account No. 06-0308.

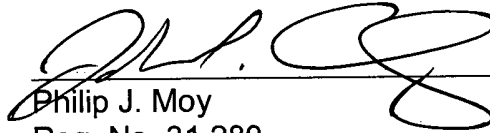
The foregoing submissions are believed to meet the requirements of the Notice to File Missing Parts, and the applicant(s) await(s) further action on the application from the Patent and Trademark Office.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,

FAY, SHARPE, FAGAN,
MINNICH & McKEE, LLP

8/16/04
Date

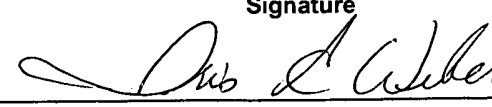

Philip J. Moy
Reg. No. 31,280
John P. Cornely
Reg. No. 41,687
1100 Superior Avenue
Seventh Floor
Cleveland, OH 44114-2518
216/861-5582

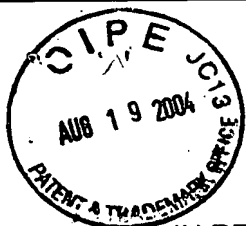
CERTIFICATE OF MAILING

I certify that this Response to Notice to File Missing Parts is being

- ☒ deposited with the United States Postal Service as First Class mail under 37 C.F.R. § 1.8, addressed to: MAIL STOP MISSING PARTS, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.
- ☐ transmitted via facsimile under 37 C.F.R. § 1.8 on the date indicated below.
- ☐ deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated below and is addressed to: MAIL STOP MISSING PARTS, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| Express Mail Label No.: |
| Date <i>August 16, 2004</i> |

| |
|---|
| Signature  |
| Printed Name Iris E. Weber |



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

: Chang, et al.

FOR

: **A RECURSIVE LEAST SQUARES
APPROACH TO CALCULATE MOTION
PARAMETERS FOR A MOVING CAMERA**

SERIAL NO.

: 10/814,711

FILED

: March 31, 2004

EXAMINER

: Unknown

ART UNIT

: 2624

CONFIRMATION NO.

: 8759

ATTORNEY DOCKET NO.

: SPAZ 2 00004

SUBMISSION OF FORMAL DRAWINGS

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


Dear Sir:

Applicants submit 8 (eight) sheets of formal drawings, FIGURES 1-9, herewith. Although no fees are believed to be required, applicant(s) authorize(s) and request(s) any additional fees be charged to Deposit Account No. 06-0308. An early indication of acceptability of the Formal Drawings is earnestly solicited.

Respectfully submitted,

FAY, SHARPE, FAGAN,
MINNICH & McKEE, LLP

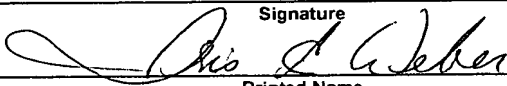
8/16/04
Date


Philip J. Moy, Reg. No. 31,280
John P. Cornely, Reg. No. 41,687
1100 Superior Avenue, Seventh Floor
Cleveland, OH 44114-2518
216/861-5582

CERTIFICATE OF MAILING

I certify that this Submission of Formal Drawings is being
☐ deposited with the United States Postal Service as First Class mail under 37 C.F.R. § 1.8, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.
☐ deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated below and is addressed to Mail Stop Amendment, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

| |
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| Express Mail Label No.: |
| Date <u>August 16, 2004</u> |

| |
|---|
| Signature  |
| Printed Name Iris E. Weber |